

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1839	709/218.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:52
L2	1633	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:52
L3	187	709/244.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L4	2096	709/201.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L5	1404	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L6	917	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L7	144	719/311.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L8	127	719/319.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L9	212	719/317.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L10	1149	719/328.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L11	1600	718/100.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:53
L12	10495	709/201-204.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:54
L13	29212	709/216-236.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:54
L14	115	715/963.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:54
L15	116	717/161.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:54

## EAST Search History

L16	154	717/172.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:54
L17	1609	718/102,103.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:54
L18	120	725/97.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:55
L19	5937	schedul\$3 near10 algorithm	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:56
L20	145	l19 and filter\$3 same server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:56
S1	303	(ATM or Kiosk) and gateway and (content same schedul\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 12:52
S2	9	(ATM or Kiosk) and gateway and (content same schedul\$3 same algorithm)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:11
S3	1	(Kiosk) and gateway and (content same schedul\$3 same algorithm)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:12
S4	0	(advertis same bill\$3) same schedul\$3 and (content same schedul\$3 same algorithm)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:13
S5	0	(advertis same bill\$3) and (schedul\$3 same algorithm) and (Kiosk or ATM)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:13
S6	33	(advertis\$5 same bill\$3) and (schedul\$3 same algorithm) and (Kiosk or ATM)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:14
S7	0	(advertis\$5 same bill\$3) and (schedul\$3 same algorithm) and (Kiosk or ATM) and (dynamic\$5 near8 advertis\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:14
S8	3	(advertis\$5 same bill\$3) and (schedul\$3 same algorithm) and (Kiosk or ATM) and (dynamic\$5 same advertis\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:15
S9	0	(advertis\$5 same bill\$3) and (schedul\$3 same algorithm) and (Kiosk) and (dynamic\$5 same advertis\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:15
S10	48	(advertis\$5 and bill\$3) and (schedul\$3 same algorithm) and (Kiosk) and (dynamic\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:18

## EAST Search History

S11	5	((schedul\$5) near8 advertis\$5 same Kiosk) and (dynamic\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:21
S12	8	((schedul\$5) same advertis\$5 same Kiosk) and (dynamic\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:21
S13	3	((((schedul\$5) same advertis\$5 same Kiosk) and (dynamic\$5)) not (((schedul\$5) near8 advertis\$5 same Kiosk) and (dynamic\$5)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:23
S14	5	((("6195694") or ("5850442") or ("6659342") or ("6494363") or ("6311165")).PN.	USPAT; USOCR	OR	OFF	2004/06/27 15:29
S15	213	schedul\$3 near8 distribut\$5 near8 content	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:30
S16	9	(schedul\$3 near8 distribut\$5 near8 content) and (scheduling near5 algorithm)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:34
S17	10	advertis\$5 same billing same kiosk	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/06/27 15:35
S18	183	schedul\$5 near5 distribut\$5 and play\$5 same advertis\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 13:50
S19	73	schedul\$5 near5 distribut\$5 and play\$5 near5 advertis\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 13:50
S20	59	S19 and broadcast\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 13:51
S21	52	S20 and server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 13:51
S22	50	S21 and display\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 13:51
S23	1	("6446045").PN.	USPAT	OR	OFF	2005/05/29 14:20
S24	4	algorithm near5 schedul\$5 near5 play\$3 same (frequency or interval or (tim\$3 near play\$5) or (trigger near3 event) or filter\$5)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/29 15:05
S25	0	S24 and (receiver near5 server)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/29 15:06

## EAST Search History

S26	0	S24 and (receiver same server)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/29 15:07
S27	0	intermediate near2 server same loss near5 coupling	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 15:08
S28	0	intermediate near2 server same loss near5 coupl\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 15:08
S29	10	intermediate near2 server same loss	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 15:12
S30	3	S29 and broadcast\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 15:12
S31	11	intermediate near3 server same loss	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 15:12
S32	4	S31 and broadcast\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/29 15:12
S33	1497	718/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:40
S34	895	719/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:40
S35	2860	719/311-318.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:41
S36	1387	709/200.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:41

## EAST Search History

S37	30818	709/201-204,217-228,231-234.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:41
S38	35760	S33 or S34 or S35 or S36 or S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:41
S39	441	S38 and schedul\$5 near3 algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:42
S40	4	S39 and predetermin\$3 near5 preference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:43
S41	23	S39 and trigger adj event	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:43
S42	34	S39 and frequency same algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:43
S43	30	S39 and filter\$3 same algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 12:44
S44	72	S39 and weight\$5 same algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 13:29
S45	1	("6,446,045").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/07 13:29

## EAST Search History

S46	0	(2004/0064497).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/07 13:29
S47	1	("20040064497").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/07 16:50
S48	0	schedule near5 assigned near2 weight same (advertis\$5 or advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:52
S49	2	schedule near5 assigned near2 weight and (advertis\$5 or advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:52
S50	7	schedule near5 weight same (advertis\$5 or advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:54
S51	212	relativ\$4 near5 weight near10 frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:54
S52	10	relativ\$4 near5 weight near10 frequency same schedul\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:57
S53	1102	advertisement near8 schedul\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:58
S54	26	advertisement near8 schedul\$5 near5 assign\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:58
S55	21	S54 and weight\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 16:58

## EAST Search History

S56	19	(US-20030080999-\$ or US-20040064497-\$ or US-20010052000-\$ or US-20020023274-\$ or US-20030145323-\$ or US-20010020236-\$).did. or (US-6195694-\$ or US-6494363-\$ or US-6311165-\$ or US-6446045-\$ or US-6286029-\$ or US-6477707-\$ or US-5850442-\$ or US-6519693-\$ or US-6714975-\$ or US-6463585-\$ or US-6286005-\$ or US-6009409-\$ or US-5848397-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/07 17:31
S57	1	S56 and recur\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:19
S58	19	recur\$5 near5 playback	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 17:36
S59	1	S58 and advertisement	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 17:31
S60	1	S58 and advertise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 17:32
S61	2	S58 and recurring near5 period	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 17:32
S62	1	("20010020236").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/07 17:36
S63	0	S56 and ondemand	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:22
S64	1	ondemand near5 advertisement	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:22

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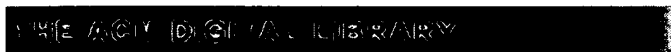
S65	486	demand near5 advertisement	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:22
S66	8	S56 and demand	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 21:18
S67	0	S56 and on adj demand	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/07 18:22
S68	1	("6,738,819").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/07 21:18
S69	1	("6,601,195").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/08 14:29
S70	1	("6405252").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/08 14:30
S71	1	("20050033858").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/08 14:30



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### 1 [Operating systems for sensor networks: A dynamic operating system for sensor nodes](#)



Chih-Chieh Han, Ram Kumar, Roy Shea, Eddie Kohler, Mani Srivastava

June 2005 **Proceedings of the 3rd international conference on Mobile systems, applications, and services MobiSys '05**

Publisher: ACM Press

Full text available: [pdf\(418.07 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Sensor network nodes exhibit characteristics of both embedded systems and general-purpose systems. They must use little energy and be robust to environmental conditions, while also providing common services that make it easy to write applications. In TinyOS, the current state of the art in sensor node operating systems, reusable components implement common services, but each node runs a single statically-linked system image, making it hard to run multiple applications or incrementally update app ...

### 2 [A simulation model for predicting the effect of advertisement schedules](#)

R. Balachandra

January 1977 **Proceedings of the 9th conference on Winter simulation - Volume 2**

Publisher: Winter Simulation Conference

Full text available: [pdf\(755.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Advertisement Scheduling refers to the detailing of where advertisements for a product/idea should appear in different media vehicles (TV shows, magazines, etc.) so as to maximize the effect on the target population. The effect is usually hoped to be favorable and influence the population to go out and buy the product/idea. Media scheduling models provide solutions that describe the number of advertisements to be inserted in different media vehicles over a given time horizon. The ...

### 3 [The Impact of Communication Costs and Limitations on Price Wars in an Information Economy](#)

Jianhui Wu, Edmund H. Durfee

July 2004 **Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems - Volume 3**

Publisher: IEEE Computer Society

Full text available: [pdf\(413.67 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Price wars & the iterative undercutting of prices to the marginal cost by competitors & have frequently emerged in models of economic systems populated by computational agents. In this paper, we explore the prevalence and severity of price wars in models of multiagent ecommerce systems that include costs and limitations on interagent communication. The empirical results we describe in this paper indicate that, for a

stationary consumer population, limiting the rate of penetration of price inform ...

#### 4 Curriculum recommendations for graduate professional programs in information systems



May 1972 **Communications of the ACM**, Volume 15 Issue 5

**Publisher:** ACM Press

Full text available: pdf(4.00 MB) Additional Information: [full citation](#), [references](#), [citations](#)

**Keywords:** education, information analysis, information systems development, management information systems, management systems, system design, systems analysis

#### 5 Fairness and load balancing: Coordinated load balancing, handoff/cell-site selection, and scheduling in multi-cell packet data systems



Aimin Sang, Xiaodong Wang, Mohammad Madihian, Richard D. Gitlin

September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**

**Publisher:** ACM Press

Full text available: pdf(312.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We investigate a wireless system of multiple cells, each having a downlink shared channel in support of high-speed packet data services. In practice, such a system consists of hierarchically organized entities including a central server, Base Stations (BSs), and Mobile Stations (MSs). Our goal is to improve global resource utilization and reduce regional congestion given asymmetric arrivals and departures of mobile users. For this purpose, we propose a scalable cross-layer framework to coordinat ...

**Keywords:** HDR, HSDPA, cell-site selection, handoff, load balancing, multi-cell, opportunistic scheduling

#### 6 Task scheduling with DVS: Minimizing energy consumption of hard real-time systems with simultaneous tasks scheduling and voltage assignment using statistical data

Lap-Fai Leung, Chi-Ying Tsui, Wing-Hung Ki

January 2004 **Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04 , Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04**

**Publisher:** IEEE Press , IEEE Press

Full text available: pdf(95.16 KB) Additional Information: [full citation](#), [abstract](#), [references](#)  
[Publisher Site](#)

In this papers, we tackle the problem of minimizing the energy consumption of single-processor-core systems in both offline and online phases. The tasks are reordered in the offline scheduling by taking into account the statistical information such that on average more slacks will be resulted during the tasks' execution. The energy consumption is further optimized by optimally re-distributing the slack time and re-assigning the voltage for each task at runtime. Also, the correlations among the t ...

#### 7 On randomization in sequential and distributed algorithms



Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar

March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

**Publisher:** ACM Press

Full text available: pdf(8.01 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Probabilistic, or randomized, algorithms are fast becoming as commonplace as

conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed— that span a wide range of applications, including: primality testing (a classical problem in number theory), interactive probabilistic proofs ...

**Keywords:** Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers problem, distributed algorithms, graph isomorphism, hashing, interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect hashing, primality testing, probabilistic techniques, randomized or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashing

## 8 Task scheduling with DVS: Fast and efficient voltage scheduling by evolutionary slack distribution

Bitá Gorji-Ara, Pai Chou, Nader Bagherzadeh, Mehrdad Reshadi, David Jensen  
January 2004 **Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04 ,  
Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04**

**Publisher:** IEEE Press , IEEE Press

Full text available:  pdf(92.00 KB)



[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

To minimize energy consumption by voltage scaling in design of heterogeneous real-time embedded systems, it is necessary to perform two distinct tasks: task scheduling (TS) and voltage selection (VS). Techniques proposed to date either are fast but yield inefficient results, or output efficient solutions after many slow iterations. As a core problem to solve in the inner loop of a system-level optimization cycle, it is critical that the algorithm be fast while producing high quality results. Thi ...

## 9 Task scheduling with DVS: Dynamic voltage scaling of periodic and aperiodic tasks in priority-driven systems

Dongkun Shin, Jihong Kim  
January 2004 **Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04 ,  
Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair ASP-DAC '04**

**Publisher:** IEEE Press , IEEE Press

Full text available:  pdf(549.58 KB)



[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We describe dynamic voltage scaling (DVS) algorithms for real-time systems with both periodic and aperiodic tasks. Although many DVS algorithms have been developed for real-time systems with periodic tasks, none of them can be used for the system with both periodic and aperiodic tasks because of arbitrary temporal behaviors of aperiodic tasks. We propose an off-line DVS algorithm and on-line DVS algorithms that are based on existing DVS algorithms. The proposed algorithms utilize the execution b ...

## 10 Adaptive proportional delay differentiated services: characterization and performance evaluation

Matthew K. H. Leung, John C. S. Lui, David K. Y. Yau  
December 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 6

**Publisher:** IEEE Press

Full text available:  pdf(409.36 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We examine a proportional-delay model for Internet differentiated services. Under this model, an ISP can control the waiting-time "spacings" between different classes of traffic.

Specifically, the ISP tries to ensure that the average waiting time of class  $i$  traffic relative to that of class  $i - 1$  traffic is kept at a constant specified ratio. If the waiting-time ratio of class  $i - 1$  to class  $i$  is greater than one, the ISP can legitimately charge users of class  $i$

**Keywords:** Differentiated services, packet scheduling, proportional delay

# 11 Scheduling and resource allocation: SHARP: an architecture for secure resource



peering

Yun Fu, Jeffrey Chase, Brent Chun, Stephen Schwab, Amin Vahdat

October 2003 **Proceedings of the nineteenth ACM symposium on Operating systems principles**

**Publisher:** ACM Press

Full text available: pdf(339.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents Sharp, a framework for secure distributed resource management in an Internet-scale computing infrastructure. The cornerstone of Sharp is a construct to represent cryptographically protected resource <it>claims</it>---promises or rights to control resources for designated time intervals---together with secure mechanisms to subdivide and delegate claims across a network of resource managers. These mechanisms enable flexible <it>resource peering ...

**Keywords:** peer-to-peer, resource allocation, resource peering

# 12 A simulation of the product distribution in the newspaper industry



Marelys L. Garcia, Martha A. Centeno, Gabriela Peñaloza

December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--a bridge to the future - Volume 2**

**Publisher:** ACM Press

Full text available: pdf(48.78 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

# 13 Service architecture: Crona: an architecture and library for creation and monitoring of



WS-agreements

Heiko Ludwig, Asit Dan, Robert Kearney

November 2004 **Proceedings of the 2nd international conference on Service oriented computing**

**Publisher:** ACM Press

Full text available: pdf(118.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Using services across domain boundaries, be they organizations or self-managing components of large distributed systems, requires the setup of an agreement between the parties involved, defining the terms of the service including interfaces, security and Quality of Service (QoS) properties. In an on-demand environment in which services are contracted on a short notice, the establishment of an agreement as well as the setup of agreement-fulfilling and monitoring systems of the parties involved must be s ...

**Keywords:** WS-agreement, contract, contract management, grid service, quality of service, template, web service

# 14 Horizons of simulation and marketing management



William G. Browne

January 1974 **Proceedings of the 7th conference on Winter simulation - Volume 2**

**Publisher:** ACM Press

Full text available: pdf(527.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A paper titled "Simulation in Marketing Management - An Audit" 1/ provides evidence to

indicate that the number of publications in the field of computer simulation and marketing management had reached a peak in 1968-9 and had since declined. The intent of this paper is to: 1) review the data furnished in the above paper, 2) identify possible causes of the findings, and 3) provide evidence to show that a major shift in the publication record can be expected ...

### 15 FIRE: flexible Intra-AS routing environment



Craig Partridge, Alex C. Snoeren, W. Timothy Strayer, Beverly Schwartz, Matthew Condell, Isidro Castañeyra

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4

**Publisher:** ACM Press

Full text available: pdf(107.75 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Current routing protocols are monolithic, specifying the algorithm used to construct forwarding tables, the metric used by the algorithm (generally some form of hop-count), and the protocol used to distribute these metrics as an integrated package. The Flexible Intra-AS Routing Environment (FIRE) is a link-state, intra-domain routing protocol that decouples these components. FIRE supports run-time-programmable algorithms and metrics over a secure link-state distribution protocol. By allow ...

### 16 Processor scheduling in shared memory multiprocessors



John Zahorjan, Cathy McCann

April 1990 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1990 ACM SIGMETRICS conference on Measurement and modeling of computer systems SIGMETRICS '90**, Volume 18 Issue 1

**Publisher:** ACM Press

Full text available: pdf(1.52 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Existing work indicates that the commonly used "single queue of runnable tasks" approach to scheduling shared memory multiprocessors can perform very poorly in a multiprogrammed parallel processing environment. A more promising approach is the class of "two-level schedulers" in which the operating system deals solely with allocating processors to jobs while the individual jobs themselves perform task dispatching on those processors. In this paper we compar ...

### 17 Oral presentation session III: energy efficient design: Flexible power scheduling for sensor networks



Barbara Hohlt, Lance Doherty, Eric Brewer

April 2004 **Proceedings of the third international symposium on Information processing in sensor networks**

**Publisher:** ACM Press

Full text available: pdf(305.86 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a distributed on-demand power-management protocol for collecting data in sensor networks. The protocol aims to reduce power consumption while supporting fluctuating demand in the network and provide local routing information and synchronicity without global control. Energy savings are achieved by powering down nodes during idle times identified through dynamic scheduling. We present a real implementation on wireless sensor nodes based on a novel, two-level architecture. We evaluate ou ...

**Keywords:** communication scheduling, power management, sensor networks

### 18 Fast detection of communication patterns in distributed executions



Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

**Publisher:** IBM Press

Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

## 19 [Working papers: A case for taxation in peer-to-peer streaming broadcast](#)



Yang-hua Chu, John Chuang, Hui Zhang

September 2004 **Proceedings of the ACM SIGCOMM workshop on Practice and theory of incentives in networked systems**

**Publisher:** ACM Press

Full text available:  pdf(226.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Most existing research on peer-to-peer (p2p) has been on file sharing applications. In this paper, we focus on p2p streaming applications. In particular, we argue that the *Bit-for-Bit* model, widely adopted in p2p file sharing, is not applicable in p2p streaming. In p2p streaming, the bottleneck resource is the upstream bandwidth capacity. Our empirical experience with p2p streaming indicates that a large percent of peers on the Internet have limited upstream bandwidth capacity, and the Bi ...

**Keywords:** incentive, peer-to-peer, taxation, video streaming


## 20 [A dynamic processor allocation policy for multiprogrammed shared-memory multiprocessors](#)



Cathy McCann, Raj Vaswani, John Zahorjan

May 1993 **ACM Transactions on Computer Systems (TOCS)**, Volume 11 Issue 2

**Publisher:** ACM Press

Full text available:  pdf(2.26 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We propose and evaluate empirically the performance of a dynamic processor-scheduling policy for multiprogrammed shared-memory multiprocessors. The policy is dynamic in that it reallocates processors from one parallel job to another based on the currently realized parallelism of those jobs. The policy is suitable for implementation in production systems in that: —It interacts well with very efficient user-level thread packages, leaving to them many low-level thr ...

**Keywords:** shared memory parallel processors, threads, two-level scheduling

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